GOVERNMENT OF INDIA
WATER RESOURCES
LOK SABHA

UNSTARRED QUESTION NO:967
ANSWERED ON:25.11.2002
FLOOD PRONE AREAS
HARIBHAI PARTHIBHAI CHAUDHARY;SHIVAJI MANE

Will the Minister of WATER RESOURCES be pleased to state:

(a) the total flood prone areas in the country recorded in each plan period from First to Ninth Five Year Plan, State-wise;

(b) whether dams on the rivers are causing dryness/silting of all river beds thereby causing floods; and

(c) if so, the remedial steps the Government propose to take in this regard?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SMT. BIJOYA CHAKRAVARTY)

(a) Rashtriya Barh Ayog (RBA) has assessed the flood pronearea in the country as 40 mha. in 1980 using the data on flood affected area during 1953-78.

The flood affected area is collected and reported by Revenue Authorities of States. Central Water Commission has compiled the data since 1953 on the basis of information received from State Revenue Authorities. The Statement of Statewise and Planwise average annual flood affected area from Ist Plan to IXth Plan is at Annex.I.

(b) & (c) Dams do have some morphological impact on the upstream as well as downstream of the river. The impact varies from location to location and also temporarily. But the hypothesis that dams can cause dryness or silting is unfounded in the absence of any back-up scientific study.

To study the problem of silting in rivers, the Government of India has set up a multi disciplinary committee, which has members from various organisations like Central Water Commission, Ganga Flood Control Commission, Brahmaputra Board, Dredging Corporation of India, Central Water & Power Research Station, National Remote Sensing Agency, Inland Waterways Authority of India, Geological Survey of India, Jawahar Lal Nehru University and various State Governments.

Annex-I

STATEMENT OF STATEWISE & PLANWISE AVERAGE ANNUAL FLOOD AFFECTED AREA FROM I- IX PLAN

(Area in mha.)

Sl.	State	I Plan	II Plan	III Plan	Ann. Plans	IV Plan	V Plan	Ann. Plans	VI Plan	VII Plan	Ann. Plans	VIII Plan	IX Plan
		1953-56	1956-61	1961-66	1966-69	1969-74	1974-78	1978-80	1980-85	1985-90	1990-92	1992-97	1997-2002
1	ANDHRA PR	0.023	0.296	0.078	0.037	0.072	0.252	0.280	0.243	1.046	0.011	0.297	0.407
2	ARUNACHAL PR.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.001
3	ASSAM	1.547	0.752	0.750	0.817	1.148	0.700	0.490	0.896	1.430	0.744	0.647	0.670
4	BIHAR	1.747	0.870	0.840	1.170	1.422	2.398	1.590	1.726	1.646	0.925	0.641	1.309
5	CHATTISGARH	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018
6	DELHI(NCT)	0.010	0.010	0.022	0.017	0.002	0.015	0.035	0.004	0.000	0.000	0.012	0.000
7	GOA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	GUJARAT	0.000	0.348	0.074	0.057	0.230	0.545	0.370	0.400	0.415	0.336	0.660	0.000
9	HARYANA	0.043	0.156	0.242	0.250	0.108	0.443	0.360	0.146	0.195	0.044	0.144	0.002
10	HIMACHAL PR.	0.000	0.046	0.000	0.000	0.028	0.010	0.045	0.024	0.164	0.000	0.293	0.163
11	J & K	0.017	0.026	0.000	0.007	0.006	0.008	0.000	0.000	0.133	0.000	0.076	0.003
12	JHARKHAND	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	KARNATAKA	0.000	0.000	0.006	0.000	0.008	0.000	0.100	0.076	0.188	0.138	0.100	0.038
14	KERALA	0.000	0.062	0.040	0.290	0.038	0.250	0.105	0.144	0.366	0.640	0.160	0.115

15 MADHYA PR. 0.097 0.040 0.022 0.017 0.032 0.028 0.083 0.020 0.036 0.026 0.078 0.004
16 MAHARASHTRA 0.000 0.068 0.044 0.007 0.046 0.023 0.100 0.004 0.076 0.136 0.025 0.011
17 MANIPUR 0.000 0.002 0.004 0.027 0.016 0.008 0.000 0.030 0.035 0.000 0.000 0.000
18 MEGHALAYA 0.000 0.000 0.000 0.000 0.002 0.005 0.000 0.000 0.027 0.002 0.004 0.000
19 MIZORAM 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 1.082 0.000
20 NAGALAND 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.002 0.000 0.002 0.000
21 ORISSA 0.220 0.592 0.308 0.587 0.824 0.253 0.355 0.514 0.460 0.938 0.147 0.422
22 PUNJAB 0.310 0.350 0.566 0.117 0.074 0.118 0.025 0.022 0.740 0.002 0.231 0.027
23 RAJASTHAN 0.000 0.016 0.032 0.197 0.454 0.910 1.175 0.192 0.152 0.900 0.389 0.036
24 SIKKIM 0.000 0.000 0.000 0.000 0.000 0.000 0.008 0.002 0.000 0.000 0.000 0.000
25 TAMILNADU 0.000 0.002 0.112 0.000 0.092 0.085 0.020 0.049 0.001 0.001 0.049 0.000
26 TRIPURA 0.007 0.014 0.082 0.080 0.048 0.025 0.000 0.030 0.007 0.000 0.011 0.000
27 UTTARANCHAL 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
28 UTTAR PR. 2.130 1.940 1.150 1.583 2.702 2.115 4.020 3.980 1.971 1.510 1.106 0.860
29 WEST BENGAL 0.257 1.114 0.134 1.080 1.182 0.858 1.550 0.070 0.922 1.474 0.305 1.116
30 A&N ISLANDS 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.006 0.000 0.000 0.000
31 CHANDIGARH 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
32 D&N HAVELI 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
33 DAMAN & DIU 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
34 LAKSHADWEEP 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
35 PONDICHERRY 0.000 0.000 0.000 0.000 0.001 0.013 0.000 0.002 0.002 0.006 0.002 0.000